USEUCOM FOCUSED LOGISTICS INITIATIVES

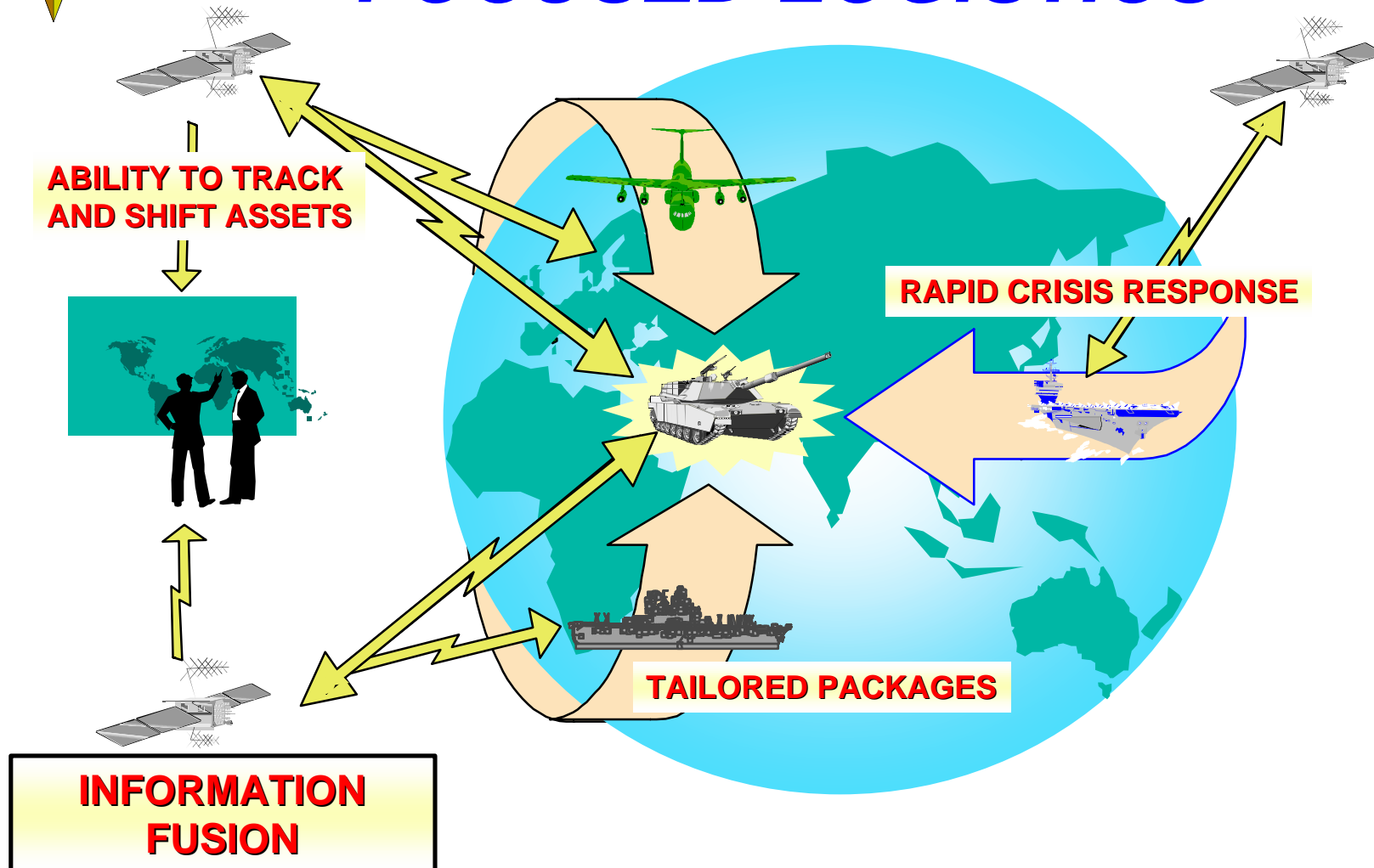**COL GEORGE HENDERSON
HQ USEUCOM/ECJ4**
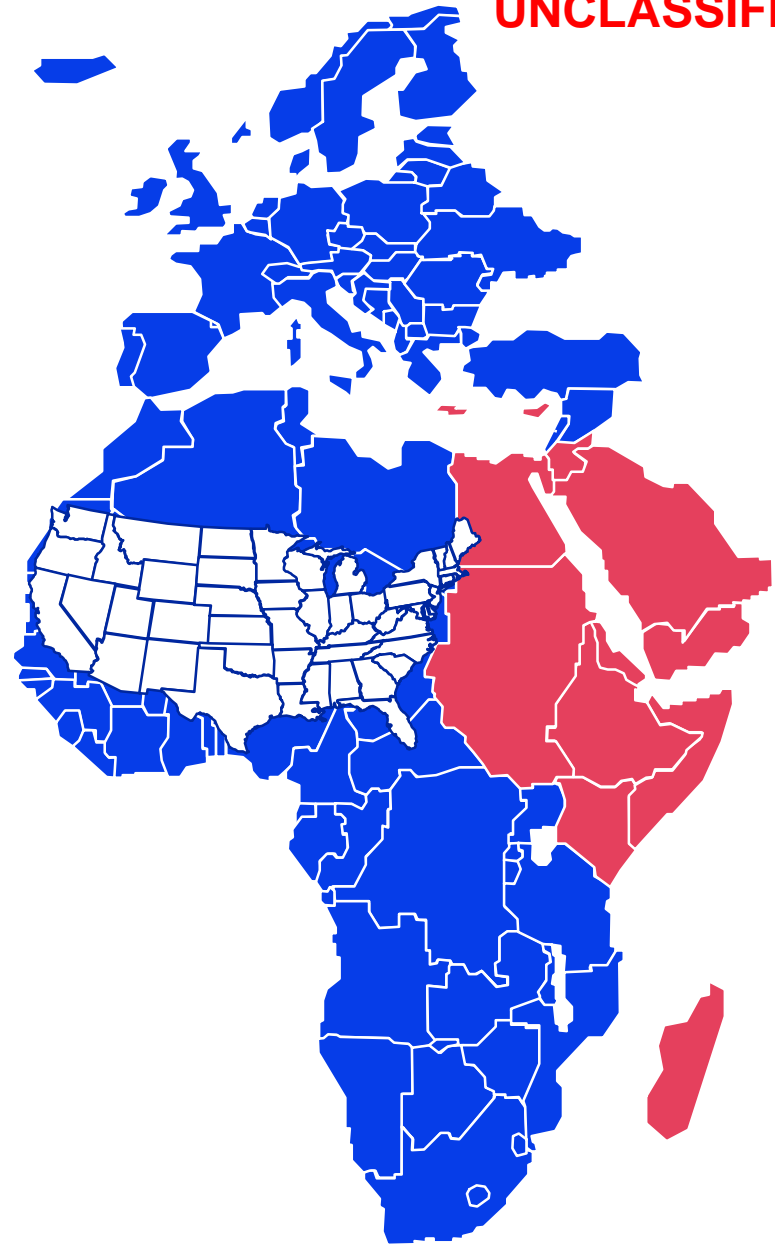
AIT LESSONS LEARNED
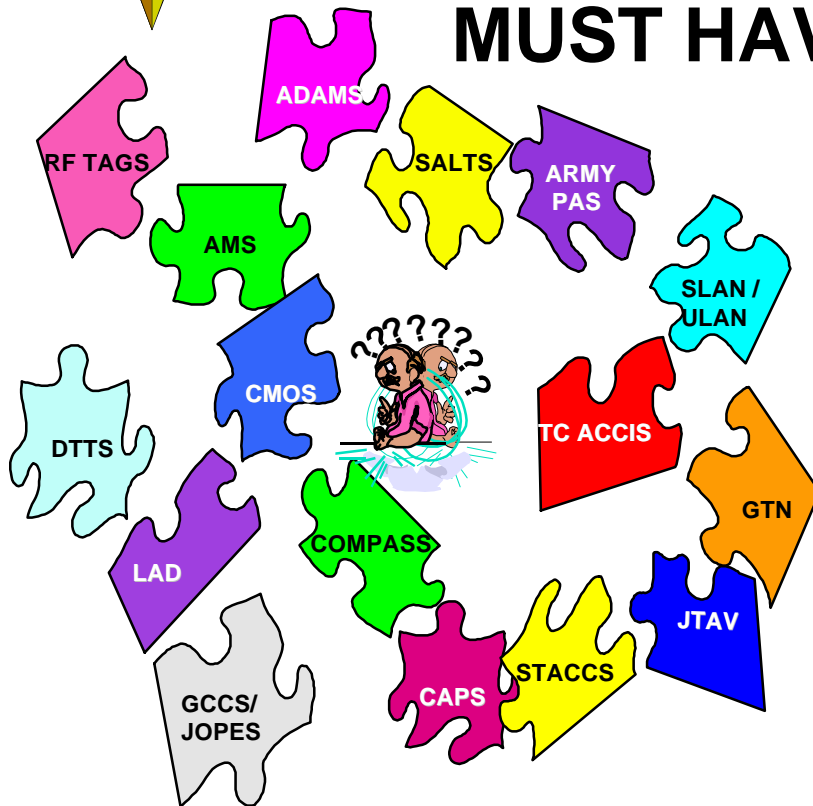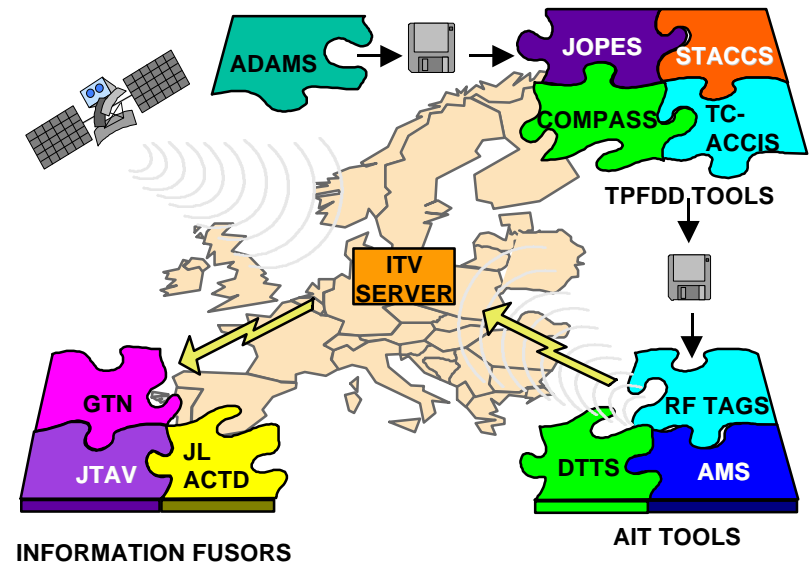
MUST HAVE A FIELDING PLAN

NOT THIS . . .   . . . THIS

DON'T FORGET THE COMMS INFRASTRUCTURE!!

AIT LESSONS LEARNED

MUST HAVE DoD AIT FOCAL POINT

WORLDWIDE AIT COMPATIBILITY

STANDARD AIT BUSINESS PROCESSES

WORLDWIDE FREQUENCY APPROVALS

THEATER

CONUS

Depots

Industry

Radio Frequency ID

Linear/2D Bar Codes

Optical Memory Card

MARC/SMART Cards

DTRACS Satellite Tracking

OPERATIONAL PROTOTYPE

DLA IS EXECUTIVE AGENT

OBJECTIVES

Universal Applicability
Most Effective/Efficient AIT
Flyaway Kit Composition and Distribution
AIT/AIS Integration
Data Broadcast Timeliness
Flexibility in the Operational Environment
Identify/Validate CONOPS Funding
Identify Security Issues
Force Structure Issues and Training Impacts
Validation of Data Requirements
Data Applicability for JDST

SCENARIOS

AIR CARGO

AMMO

UNIT MOVE
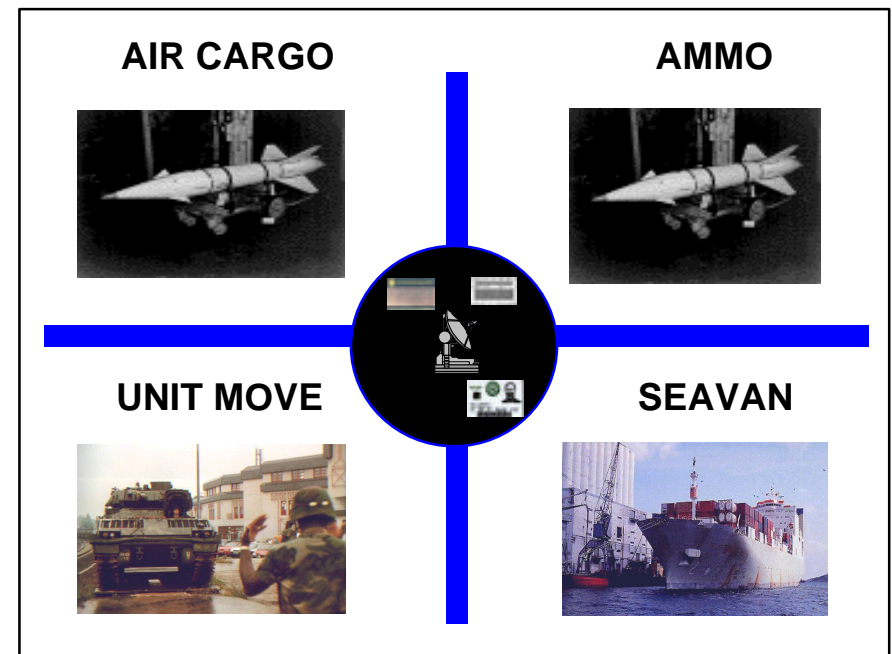
SEAVAN
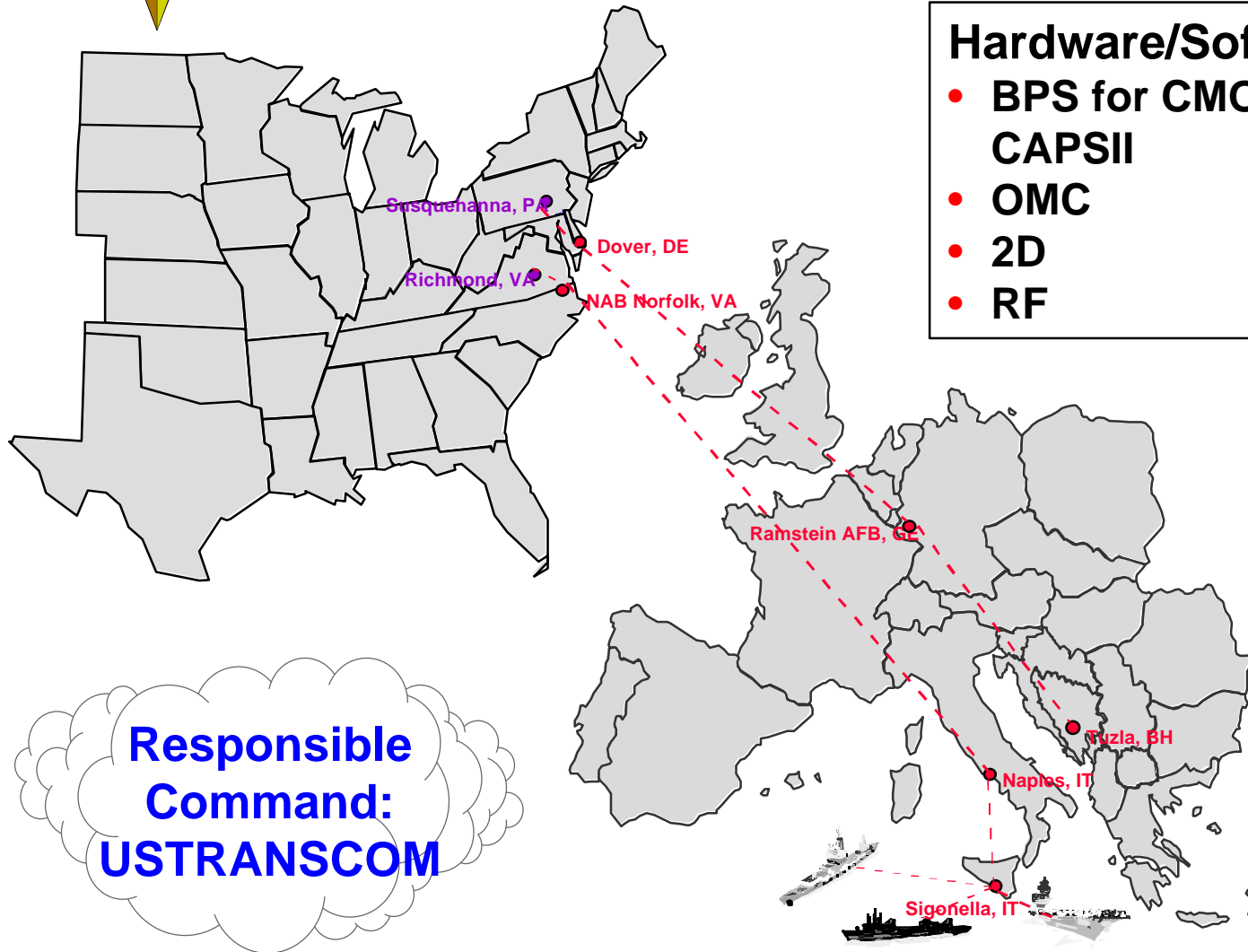
AIR SCENARIO

Hardware/Software
- BPS for CMOS/ CAPSII
- OMC
- 2D
- RF

Benefits
- Component Supply and Transport Systems Linked
- ITV Origin to Destination
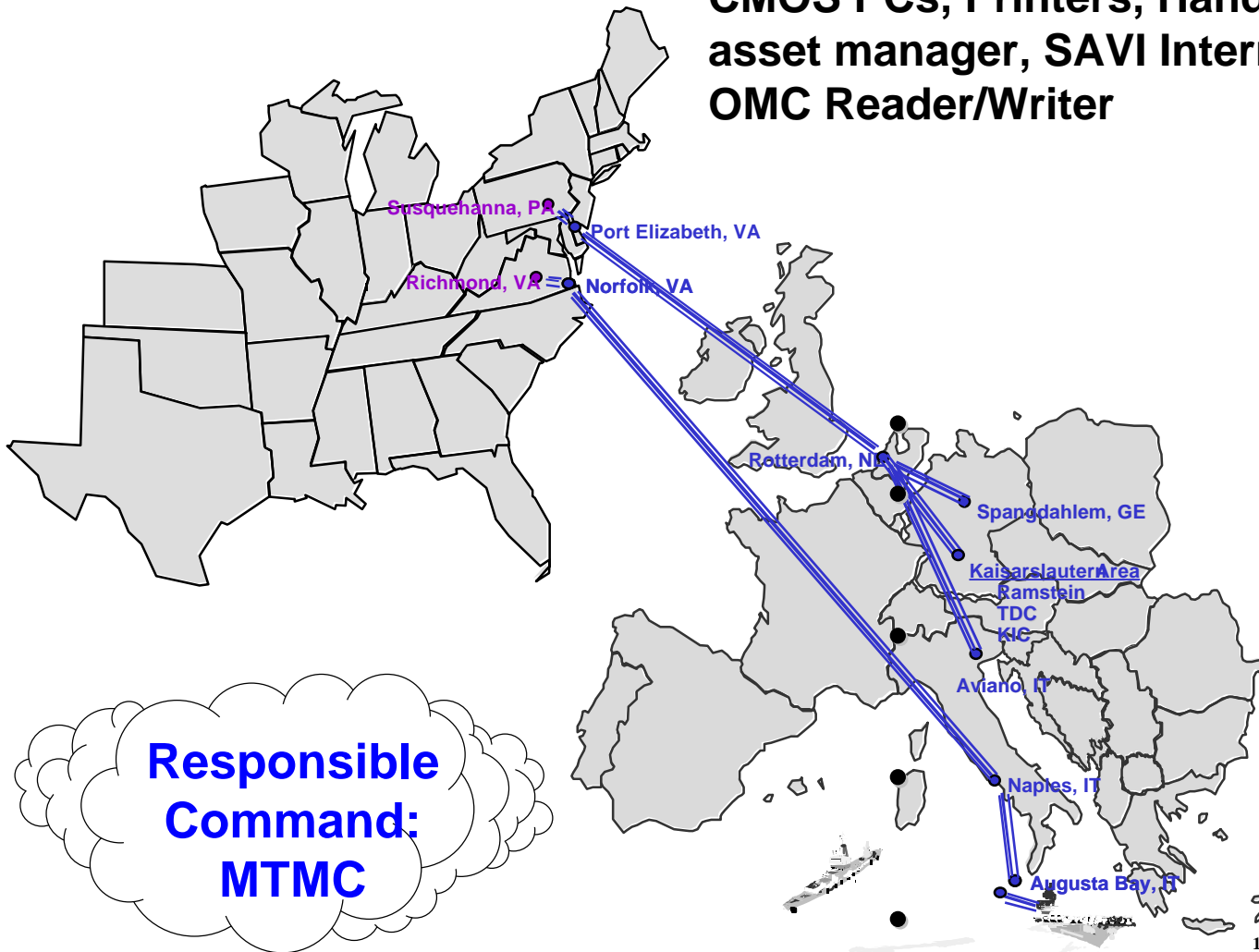- Source Data Entered Once

Susquehanna, PA

Dover, DE

Richmond, VA

NAB Norfolk, VA

Ramstein AFB, GE

Tuzla, BH

Naples, IT

Sigonella, IT

Responsible Command: USTRANSCOM

SEAVAN SCENARIO DETAIL

HARDWARE/SOFTWARE

SATS/CMOS/STARS:
CMOS PCs, Printers, Hand-held terminals, SAVI asset manager, SAVI Interrogator, 2D Scanners, OMC Reader/Writer

Susquehanna, PA
Port Elizabeth, VA
Richmond, VA
Norfolk, VA
Rotterdam, NE
Spangdahlem, GE
Kaisarslautern Area
Ramstein
TDC
KIC
Aviano, IT
Naples, IT
Augusta Bay, IT

Benefits
- Visibility of SEAVAN w/RF
- Accountability of contents with OMC/2D
- Rapid consolidation of new loads with OMC/2D
- Integration with supply / transportation AIS
- Joint Application

Responsible Command: MTMC

JOINT AMMO/AIT INTEGRATION

ARMY AMMO POP EXPANDED TO JOINT CONOPS

Class V Nodes:
- Plants
- Depots
- Ports
- Naval Weapons Stations
- Retail Supply Points

Crane, IN

Sunny Point, NC

Nordenham, GE

Miesau, GE

Benefits:
- Reduces Manual Operations
- Increase Data Accuracy
- Max Source Data Auto
- Paperless Operations
- Optimize Business Processes
- Solves Break Bulk Shipment
- Integrates Ammo AISs
- Baselines Army/Joint AIT Infrastructure & Architecture
- Asset/Intransit Visibility
- Adds 2D Bar Code
- Adds RFID to Joint

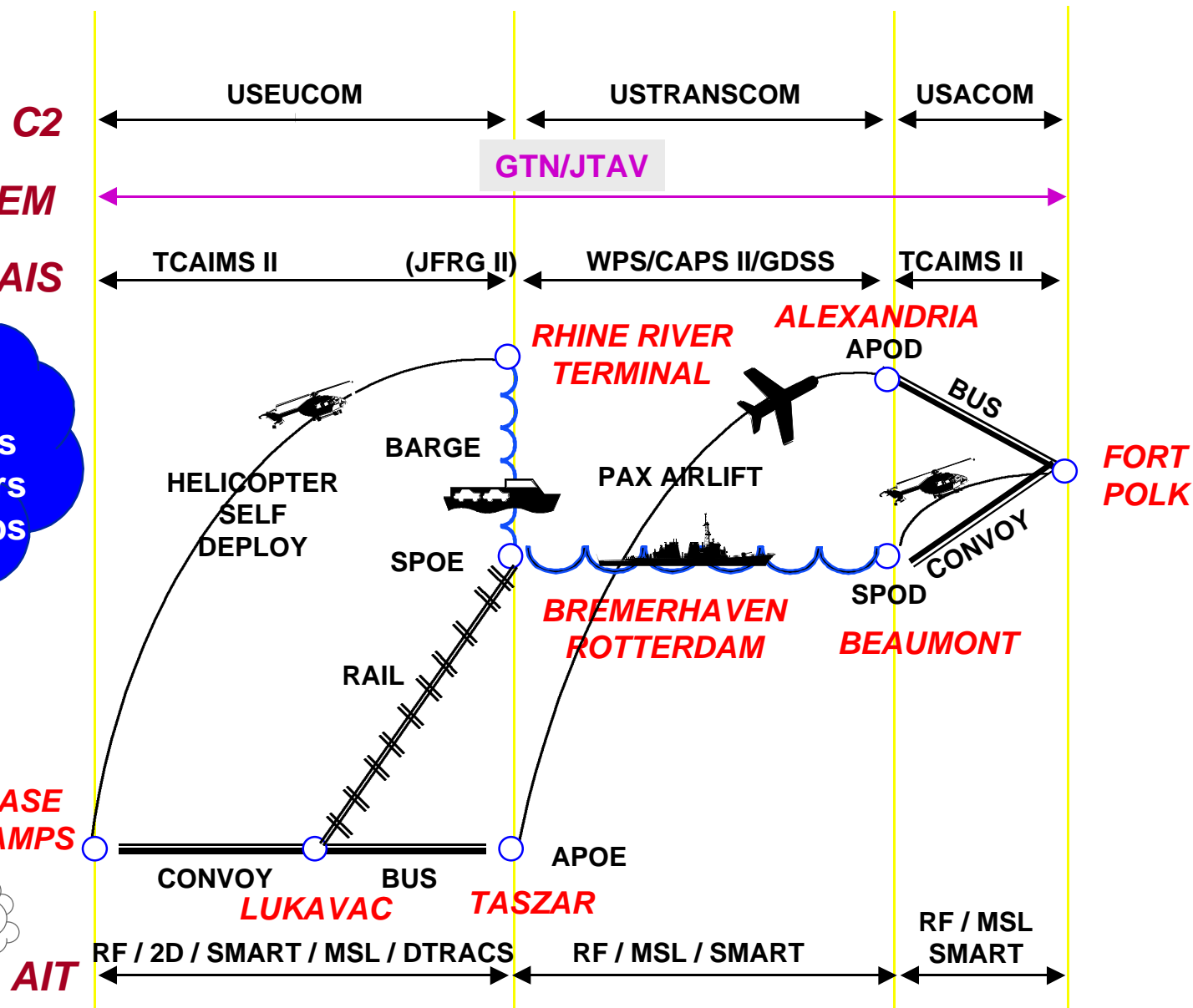**Responsible Command: USA Logistics Integration Agency**

Unit Move Scenario Detail

UNCLASSIFIED

C2

USEUCOM | USTRANSCOM | USACOM

VISIBILITY SYSTEM

GTN/JTAV

AIS

TCAIMS II | (JFRG II) | WPS/CAPS II/GDSS | TCAIMS II

- 2500 Pax
- 1500 Vehicles
- 45 Helicopters
- 7 Base Camps

RHINE RIVER TERMINAL

ALEXANDRIA
APOD

BARGE

BUS

PAX AIRLIFT

FORT POLK

HELICOPTER SELF DEPLOY

SPOE

CONVOY

SPOD

BREMERHAVEN ROTTERDAM

BEAUMONT

RAIL

BASE CAMPS

Responsible Command: USEUCOM

CONVOY | BUS | APOE

LUKAVAC | *TASZAR*

AIT

RF / 2D / SMART / MSL / DTRACS | RF / MSL / SMART | RF / MSL SMART

AIT-98.PPT/J4-PP/COL HENDERSON   4/22/98   9

CURRENT VALIDATION PROCESS

CINCEUR
SUPPORTED CINC
VALIDATES REQUIREMENT

USTRANSCOM
SCHEDULES LIFT

- **Delayed validation reduces efficiency**

USAREUR
COMPONENT VALIDATION

- **Errors are common**
- **First review delays process**
- **Correcting data in JOPES is time consuming**

FORSCOM'S COMPASS
TRANSLATES TO JOPES
(HOURS TO DAYS)

NO CHAIN OF COMMAND VALIDATION

TCACCIS

CINC'S DILEMMA:
- **Cannot validate actual requirements rapidly**
- **Cannot keep pace with fluid operations**
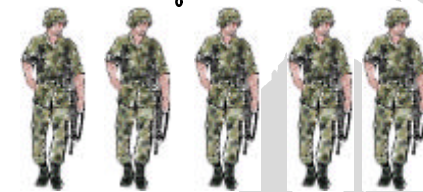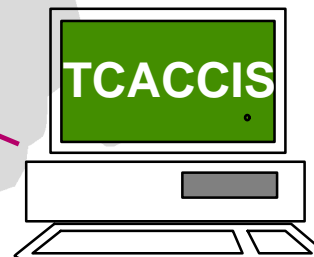
- **UMOs must move to TCACCIS**
- **Three boxes in Europe**
- **Correcting errors in TCACCIS is time prohibitive**

TCAIMS II TPFDD DEVELOPMENT

USAREUR — TCAIMS II → GCCS JFRG II → GCCS JOPES — **USEUCOM**

Task Force Eagle — TCAIMS II ⤏ TCAIMS II **1 TMCA**

2nd ACR — TCAIMS II

Squadron — TCAIMS II

Troop DEL — TCAIMS II

PROCESS IMPROVEMENTS
- DEL Developed in Base Camp
- DEL Validated by Chain of Command
- Level 4 Data Passed to JDC Rapidly
- Single Data Base Shared by All
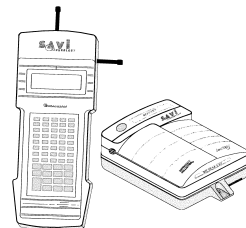- Requirements Simultaneously Shared w/ TMCA
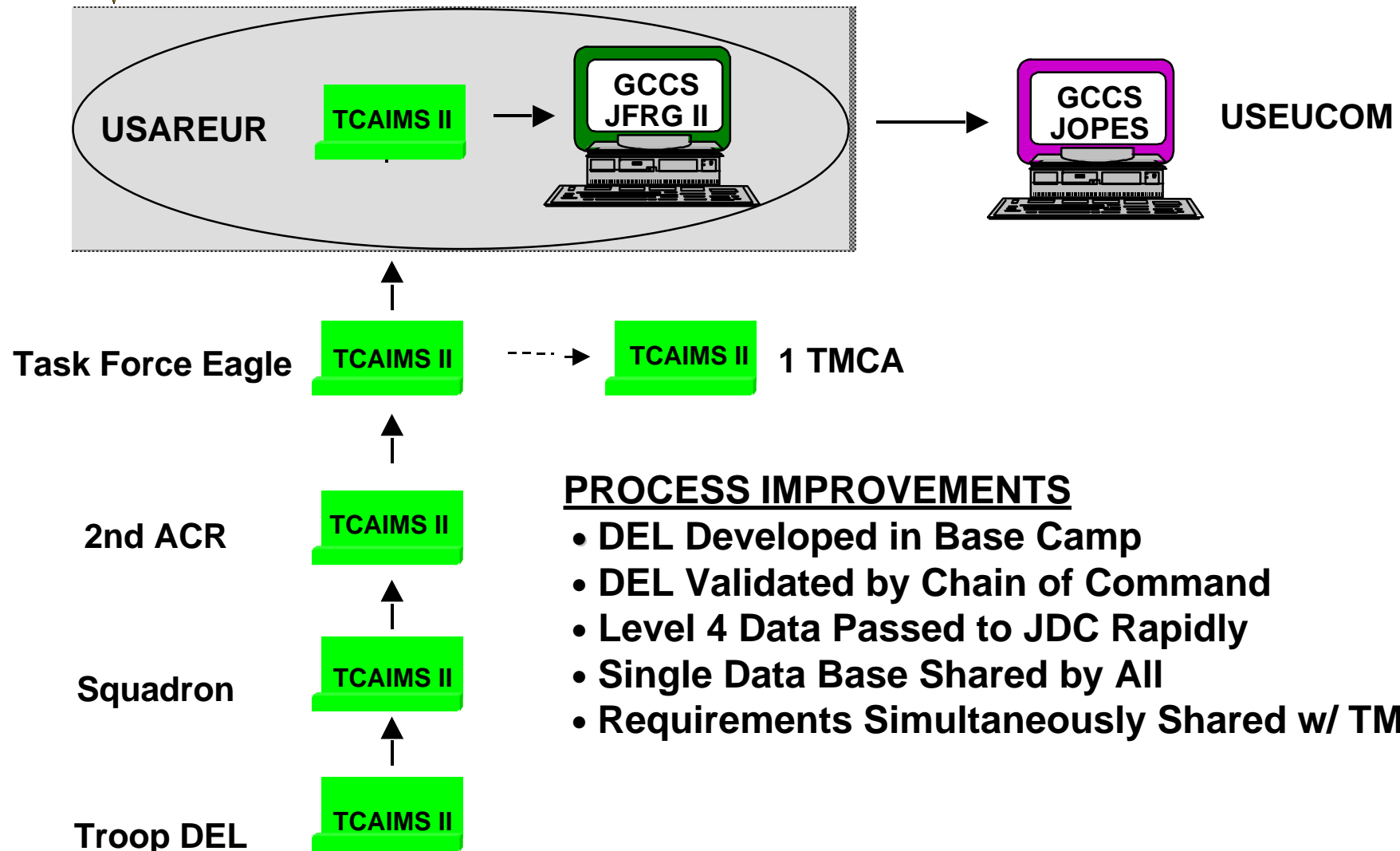
VALUE ADDED

Lead the Cultural Change

- **Use 2D Bar Code**
- **Develop Business Process Server**
- **Build and Test Fly Away Kit**

- **Use of Optical Memory Cards Expanded**
- **Test TC AIMSII to JOPES Interface**
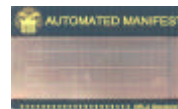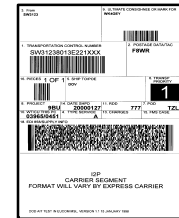- **Combine Supply and Transportation Info on a Single Label**
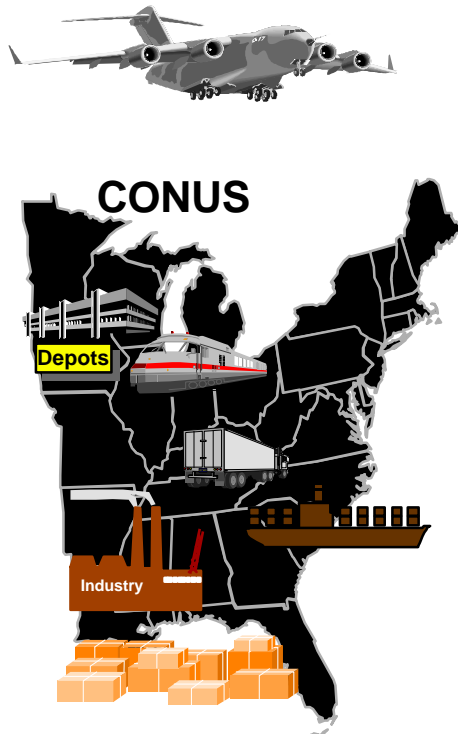
THEATER

CONUS

Depots

Industry

Linear/2D Bar Codes

MARC/SMART Cards

Military Shipping Label

Radio Frequency ID
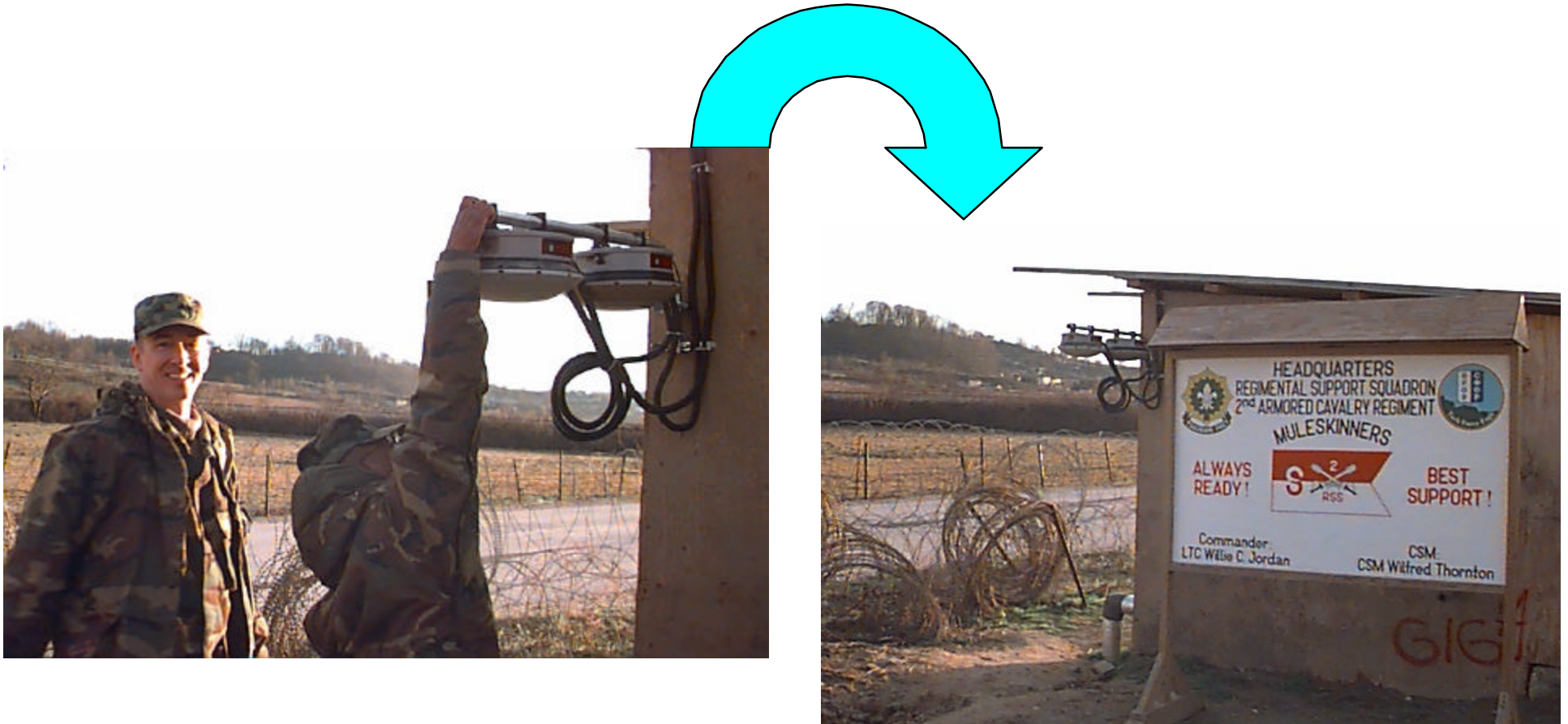
Optical Memory Card

DTRACS Satellite Tracking
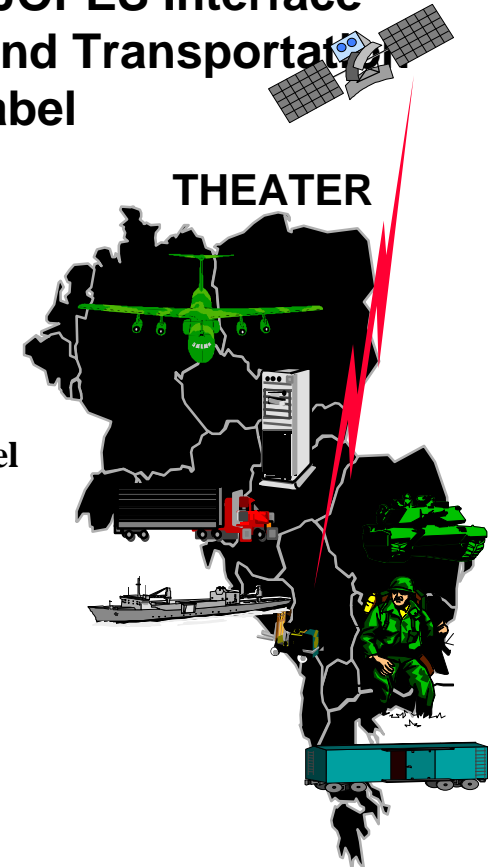
2ACR TSO GUARDIAN BASE

(Switched to RF Links so when power is available at Main gate, the interrogator on the satellite at the 2ACR CHSA can be moved so both using the LAN and same computer)

COMANCHE OUT GATE

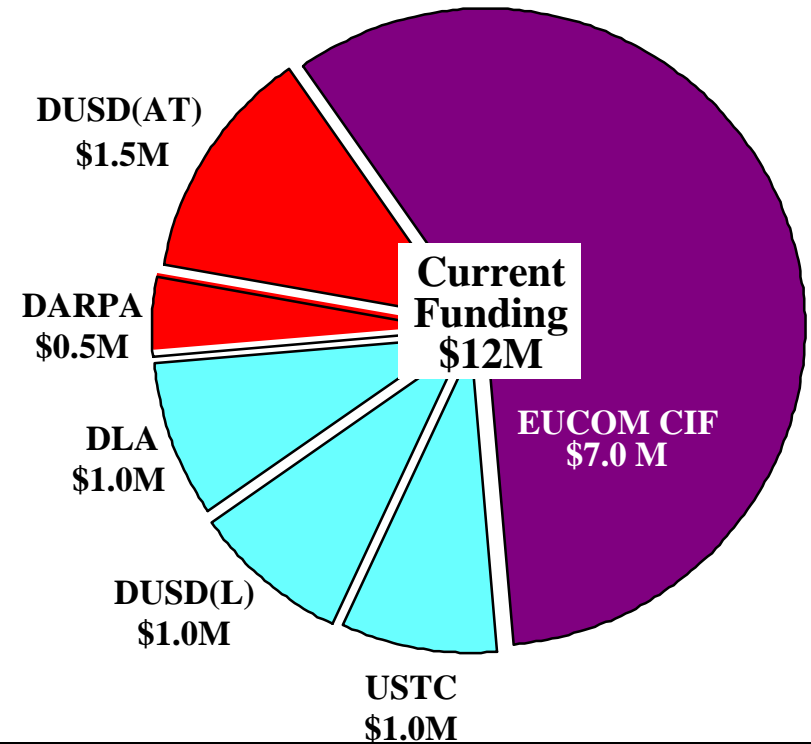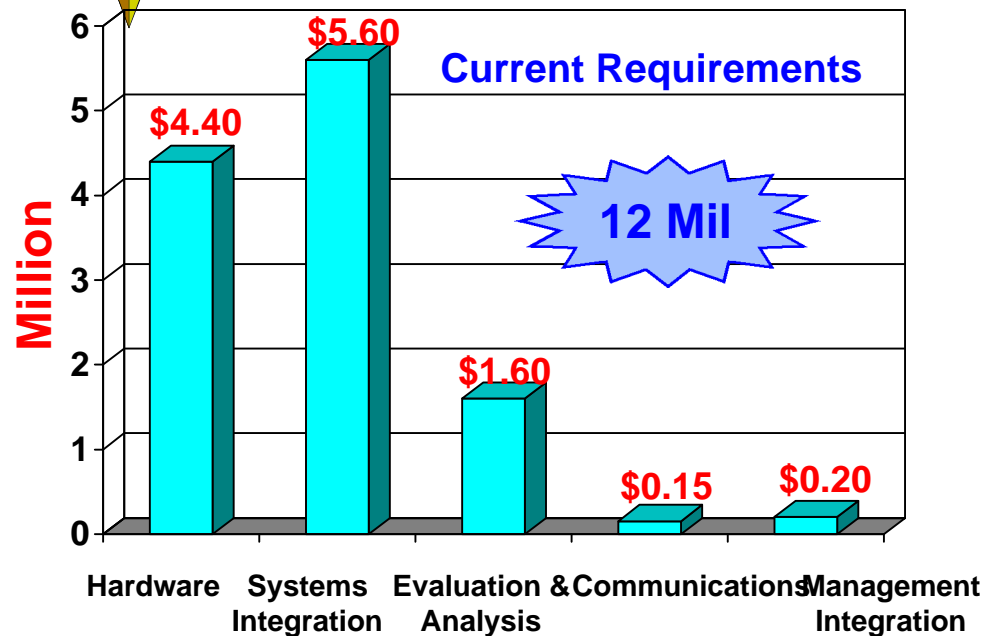**(RF Link had to be turned on its side to connect to RF Link in the middle of the camp)**

DOBOL MAIN & TRACK GATE

(Two interrogators are connected by 485 cable and RF Links not needed)
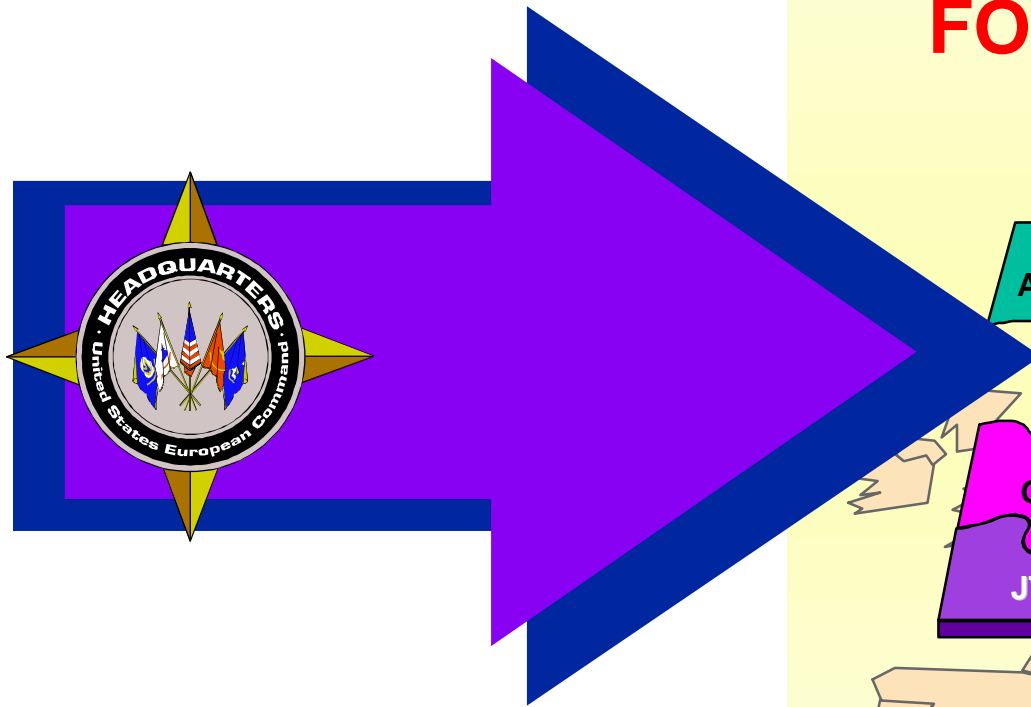
FUNDING REQUIREMENTS

Current Requirements

12 Mil

Million

Category	Amount
Hardware	$4.40
Systems Integration	$5.60
Evaluation & Analysis	$1.60
Communications	$0.15
Management Integration	$0.20

Pie chart — **Current Funding $12M**:
- DUSD(AT) $1.5M
- DARPA $0.5M
- DLA $1.0M
- DUSD(L) $1.0M
- USTC $1.0M
- EUCOM CIF $7.0 M

- **Hardware**
  - **RF Tags and RF Interrogators**
  - **Various AIT Reader Devices**
  - **Computers**
  - **Fly-Away Kit Components**
- **Systems Integration**
  - **Business Process Server**
  - **TC AIMS II**
  - **Fielding, training, etc.**

- **Evaluation & Analysis**
  - **Measures of Performance**
  - **Baseline and Actual Measurements**
  - **Analysis and Documentation**
- **Communications**
  - **Fly-away Kit Satellite Time**
- **Management Integration**
  - **Prototype Oversight Support**

CONCLUSION

OBJECTIVE:
FOCUSED LOGISTICS

ADAMS   JOPES   GCCS   JFRG II

TCAIMS II

GTN   JL ACTD   DTRACS   RF TAGS

JTAV   AMS